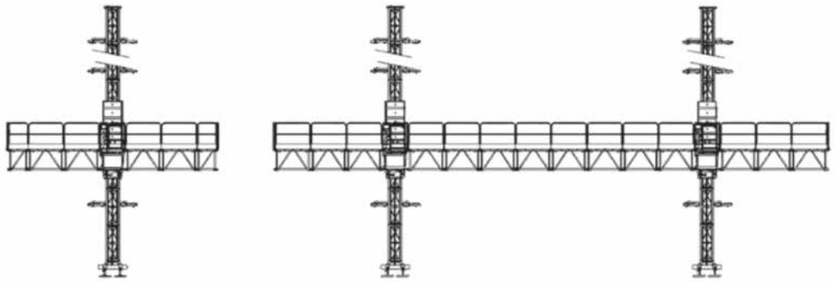
MAST CLIMBER
MM50



SINGLE MAST

TWIN MAST

GENERAL DATA	SINGLE MAST	TWIN MAST
Lifting speed	6-8m / min	
Maximum height	200 m	
Max. distance between anchors	12 m	
Freestanding maximum height	9 m	
Maximum platform length	13,4 m	34,7 m
Max. distance between mast axis	-	21,6 m
Platform width	1,3 m	
Max. telescopic extensions width	1 m / 1,75 m / 2,5 m	
Decks (without floor)	0,63m = 55 kg / 1,5 m =80 kg	
Mast section	Square 560 x 560mm x 1,5m - 82 kg	
Drive unit weight (without stabilizers)	1100 kg	
Maximum wind speed	Anchored = 55 km/h Freestanding / installation = 45 km/h	
Temperature range	-30 / +55 degrees Celsius	
Noise level in service	< 80 Db (A) IEC91	
Main components hot dip galvanized		

ELECTRICAL DATA

Power supply n	400V 50Hz, 220V 60Hz
Hand tools power supply n	230V 50Hz, 110V 60Hz
Control voltage	48 VAC
Motors power (per drive unit)	6 m/min = 2 x **2.2** kw (50Hz) 8 m/min = 2 x **2.2** kw (60Hz)
Min. required power (per drive unit)	6 m/min = 6 kw
Nominal current (per drive unit)	6 m/min = 9 A
Starting current (per drive unit)	6 m/min = 43 A
Min. three phase generator (per drive unit)	6 m/min = 25 KVA

SINGLE MAST			
L (m)	Total Length Configuration	Total Service Load Q (kg) 1m	
13,4		750	900
11,8		1300	1450
10,1		1500	1650
7,1		1900	1950
4,1		2200	2250
2,8		2400	2400

TWIN MAST			
L (m)	Total Length Configuration	Total Service Load Q (kg) 1m	
34,7		1600	2050
30,7		2080	2480
24,7		2800	3120
20,2		3340	3590
15,7		3880	4070
9,7		4600	4705
6,7		4000	5023

STANDARD MECHANICAL SAFETIES	STANDARD ELECTRICAL SAFETIES
2 motors with gearbox and electromechanical brakes	Interlocking device on access door
2 centrifugal brakes per drive unit	Top, bottom and emergency stops
Floating motor plate	Rack detector
Automatic self levelling in twin mast	Emergency stops
Emergency descent	Low voltage control
Top and bottom stops with buffers	Movement acoustic buzzer
Mast protector	Right / left drive unit selector
Anti slippery floor	Phases control relay
Motor protecting cover	Emergency stop pushbuttons at control panel and drive units
Metallic railing and telescopic railing on sides	Delayed starting, with acoustic signalling

MAST CLIMBER 3D

Mast climbers are designed to work on the façade of the building, in a safe, and productive environment, replacing the old methods of scaffolding. Compared to scaffolding it allows to save time on the installation, operation, and save a lot on labour cost.
Mast climbers are much more productive, allowing to transport materials up to 5 tons on the decks, typical applications are: glass panels installation, cladding, stones, bricks etc.
Mast climbers are versatile, always adapting to the shape of the building: curved, inclined, cantilevers etc.improving your logistic cost, your labour cost, your productivity and your safety on site.